

# **METHOD AND APPARATUS FOR CREATING AND ENFORCING PROTECTED SYSTEM LEVEL JAVA CODE**

## **ABSTRACT OF THE DISCLOSURE**

According to the preferred embodiments, an object oriented mechanism and  
5 method allow creating system level Java code that is protected, and therefore cannot be  
accessed or extended by unauthorized users or programs. Several new tests are  
performed during loading, linking, and initialization of a class that assure that the class is  
as the operating system expects. In addition, one or more runtime tests may be performed  
to prevent programs from getting into the Java system level code via a runtime "back  
10 door." By providing additional tests when classes are loaded and when certain types of  
methods and functions are invoked at runtime, the Java system level code is protected  
from unauthorized access and use.